



# MATERIAL SAFETY DATA SHEET

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## Section 1: Product & Company Identification

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**Product Name:** Hand Cleaner Towels

**Product Number (s):** 04099

**Product Use:** Hand cleaner

**Manufacturer / Supplier Contact Information:**

In United States:

CRC Industries, Inc.

885 Louis Drive

Warminster, PA 18974

[www.crcindustries.com](http://www.crcindustries.com)

1-215-674-4300 (General)

(800) 521-3168 (Technical)

(800) 272-4620 (Customer Service)

In Canada:

CRC Canada Co.

2-1246 Lorimar Drive

Mississauga, Ontario L5S 1R2

[www.crc-canada.ca](http://www.crc-canada.ca)

1-905-670-2291

In Mexico:

CRC Industries Mexico

Av. Benito Juárez 4055 G

Colonia Orquídea

San Luís Potosí, SLP CP 78394

[www.crc-mexico.com](http://www.crc-mexico.com)

52-444-824-1666

24-Hr Emergency – CHEMTREC: (800) 424-9300 or (703) 527-3887

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## Section 2: Hazards Identification

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### Emergency Overview

As defined by OSHA's Hazard Communication Standard, this product is non-hazardous.  
Appearance & Odor: White opaque liquid with a fresh citrus scent saturated onto towels.

### Potential Health Effects:

**ACUTE EFFECTS:**

**EYE:** May cause mild eye irritation including redness, tearing and burning.

**SKIN:** No adverse effects expected. Persons with a skin sensitivity may experience mild irritation including redness, burning or cracking of the skin.

**INHALATION:** No adverse effects expected.

**INGESTION:** Not a likely exposure route. If free liquid is ingested, it may cause irritation of the throat or stomach, nausea, vomiting and diarrhea.

**CHRONIC EFFECTS:** None known

**TARGET ORGANS:** None known

Medical Conditions Aggravated by Exposure: Pre-existing skin conditions

See Section 11 for toxicology and carcinogenicity information on product ingredients.

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### Section 3: Composition/Information on Ingredients

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COMPONENT	CAS NUMBER	% by Wt.
Water	7732-18-5	60 – 100
d-Limonene (R-p-mentha, 1, 8-diene)	5989-27-5	5 – 13
Ethoxylated Alcohols (C12 – 15 pareth-7)	68131-39-5	1 – 5
Sodium Lauryl Sulfate	151-21-3	1 – 5
Fragrance	Mixture	1 – 5

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### Section 4: First Aid Measures

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- Eye Contact:** Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.
- Skin Contact:** None usually required. Material is designed for skin cleaning. If symptoms develop, discontinue use and seek medical attention.
- Inhalation:** Unlikely route as liquid is impregnated on a towel, minimizing exposure via this route. If overexposed, move to fresh air. If symptoms develop seek medical attention.
- Ingestion:** Not a likely exposure route. If a large quantity of liquid is swallowed, do not induce vomiting. Call a physician or poison control center immediately.

*Note to Physicians:* Treat symptomatically.

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### Section 5: Fire-Fighting Measures

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**Flammable Properties:** As defined by OSHA, this product is not flammable.

Flash Point:	None	Upper Explosive Limit:	ND
Autoignition Temperature:	ND	Lower Explosive Limit:	ND

**Fire and Explosion Data:**

- Suitable Extinguishing Media:** Dry chemical, carbon dioxide, foam, fog or water spray
- Products of Combustion:** Carbon monoxide, carbon dioxide, various hydrocarbons, hydrogen sulfide, sulfur dioxide and soot
- Explosion Hazards:** Containers, when exposed to heat from fire, may build pressure and rupture.
- Protection of Fire-Fighters:** Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

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### Section 6: Accidental Release Measures

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- Personal Precautions:** Use personal protection recommended in Section 8.
- Environmental Precautions:** Take precautions to prevent contamination of ground and surface waters.
- Methods for Containment & Clean-up:** Wipe up any free liquid with a dry absorbent cloth or other absorbent material. Ventilate area. Transfer absorbents into suitable container for proper disposal.

## Section 7: Handling and Storage

**Handling Procedures:** Do not allow towel to directly contact the eyes. For external use only. Not for use around the mouth or eyes for an extended period of time. Do not smoke while using. Use from original container only and follow label directions carefully. Follow good chemical hygiene practices when handling this material.

**Storage Procedures:** Keep container closed when not in use. Keep away from heat sources. Store in a cool well-ventilated area. Keep out of reach of children. Do not contaminate water, food or feed by use or storage. Keep from freezing.

**Aerosol Storage Level:** NA

## Section 8: Exposure Controls/Personal Protection

**Exposure Guidelines:**

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Water	NE	NE	NE	NE	NE		
D-Limonene (R-p-mentha, 1, 8-diene)	NE	NE	NE	NE	30	mfr	ppm
Ethoxylated Alcohols (C12 – 15 pareth-7)	NE	NE	NE	NE	NE		
Sodium Lauryl Sulfate	NE	NE	NE	NE	NE		
Fragrance	NE	NE	NE	NE	NE		

N.E. – Not Established      (c) – ceiling      (s) – skin      (v) – vacated

mfr – manufacturer’s recommendation

**Controls and Protection:**

**Engineering Controls:** Area should have ventilation to provide fresh air. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations.

**Respiratory Protection:** None required for normal work where adequate ventilation is provided.

**Eye/face Protection:** None necessary. Do not allow towel to directly contact eyes.

**Skin Protection:** None necessary. Product is designed for direct skin use.

## Section 9: Physical and Chemical Properties

**Physical State:** liquid saturated onto towels

**Color:** opaque white

**Odor:** fresh citrus

**Odor Threshold:** ND

**Specific Gravity:** 0.986

**Initial Boiling Point:** 212°F

**Freezing Point:** ND

**Vapor Pressure:** ND

**Vapor Density:** > 1 (air = 1)

**Evaporation Rate:** slow

**Solubility:** miscible

Coefficient of water/oil distribution: ND

pH: 9.8

Volatile Organic Compounds: wt %: 8.0 g/L: 78.9 lbs./gal: 0.66

## Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: Temperature extremes

Incompatible Materials: Strong oxidizers and strong acids

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, hydrogen sulfide, sulfur dioxide and soot

Possibility of Hazardous Reactions: No

## Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

### Acute Toxicity:

<u>Component</u>	<u>Oral LD50 (rat)</u>	<u>Dermal LD50 (rabbit)</u>	<u>Inhalation LC50 (rat)</u>
Water	> 90 mL/kg	No data	No data
D-Limonene (R-p-mentha, 1, 8-diene)	4400 mg/kg	> 5 g/kg	No data
Ethoxylated Alcohols (C12 – 15 pareth-7)	2 g/kg	No data	No data
Sodium Lauryl Sulfate	1288 mg/kg	No data	No data
Fragrance	No data	No data	No data

### Chronic Toxicity:

<u>Component</u>	<u>OSHA Carcinogen</u>	<u>IARC Carcinogen</u>	<u>NTP Carcinogen</u>	<u>Irritant</u>	<u>Sensitizer</u>
Water	No	No	No	No	No
D-Limonene (R-p-mentha, 1, 8-diene)	No	No	No	E (moderate) / S (moderate) / R (mild)	Yes
Ethoxylated Alcohols (C12 – 15 pareth-7)	No	No	No	Unknown	Unknown
Sodium Lauryl Sulfate	No	No	No	E (moderate) / S (mild) / R (moderate)	Unknown
Fragrance	No	No	No	Unknown	Unknown

E – Eye	S – Skin	R - Respiratory
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Reproductive Toxicity: No information available

Teratogenicity: No information available

Mutagenicity: No information available

Synergistic Effects: No information available

## Section 12: Ecological Information

Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity: Ethoxylated alcohols: 96 hr fathead minnow static acute LC50 = 2.7 mg/L  
48 hr Daphnia acute EC50 = 0.4 - 0.75 mg/L  
Persistence / Degradability: No information available  
Bioaccumulation / Accumulation: No information available  
Mobility in Environment: No information available

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## **Section 13: Disposal Considerations**

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**Waste Classification:** This product is not a RCRA hazardous waste. (See 40 CFR Part 261.20 – 261.33)  
Empty containers may be recycled.

All disposal activities must comply with federal, state, provincial and local regulations. Local regulations may be more stringent than state, provincial or national requirements.

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## **Section 14: Transport Information**

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US DOT (ground): Not Regulated  
ICAO/IATA (air): Not Regulated  
IMO/IMDG (water): Not Regulated  
Special Provisions: None

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## **Section 15: Regulatory Information**

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**U.S. Federal Regulations:**

Toxic Substances Control Act (TSCA):

All ingredients are either listed on the TSCA inventory or are exempt.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

Reportable Quantities (RQ's) exist for the following ingredients: None

**Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.**

Superfund Amendments Reauthorization Act (SARA) Title III:

Section 302 Extremely Hazardous Substances (EHS): None

Section 311/312 Hazard Categories:	Fire Hazard	No
	Reactive Hazard	No
	Release of Pressure	No
	Acute Health Hazard	No
	Chronic Health Hazard	No

Section 313 Toxic Chemicals: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:  
None

Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): None

**U.S. State Regulations:**

California Safe Drinking Water and Toxic Enforcement Act (Prop 65):

This product may contain the following chemicals known to the state of California to cause cancer, birth defects or other reproductive harm: None

Consumer Products VOC Regulations: In states with Consumer Products VOC regulations, this product is compliant as a Heavy Duty Hand Cleaner.

State Right to Know:

New Jersey: None  
Pennsylvania: None  
Massachusetts: None  
Rhode Island : None

**Canadian Regulations:**

Controlled Products Regulations:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Hazard Class: This product is not regulated.

Canadian DSL Inventory: All ingredients are either listed on the DSL Inventory or are exempt.

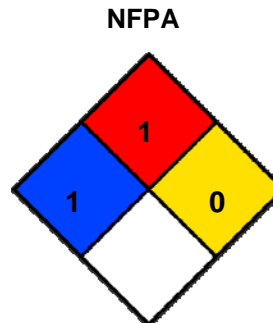
**European Union Regulations:**

RoHS Compliance: This product is compliant with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003. This product does not contain any of the restricted substances as listed in Article 4(1) of the RoHS Directive.

Additional Regulatory Information: None

**Section 16: Other Information**

HMIS® (II)	
Health:	1
Flammability:	1
Reactivity:	0
PPE:	NA



Ratings range from 0 (no hazard) to 4 (severe hazard)

Prepared By: Michelle Rudnick  
CRC #: 04100  
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Changes since last revision: Part number added

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and

directions on the label. For further clarification of any information contained on this MSDS consult your supervisor, a health & safety professional, or CRC Industries.

ACGIH: American Conference of Governmental Industrial Hygienists	NA: Not Applicable
CAS: Chemical Abstract Service	ND: Not Determined
CFR: Code of Federal Regulations	NIOSH: National Institute of Occupational Safety & Health
DOT: Department of Transportation	NFPA: National Fire Protection Association
DSL: Domestic Substance List	NTP: National Toxicology Program
g/L: grams per Liter	OSHA: Occupational Safety and Health Administration
HMIS: Hazardous Materials Identification System	PMCC: Pensky-Martens Closed Cup
IARC: International Agency for Research on Cancer	PPE: Personal Protection Equipment
IATA: International Air Transport Association	ppm: Parts per Million
ICAO: International Civil Aviation Organization	RoHS: Restriction of Hazardous Substances
IMDG: International Maritime Dangerous Goods	STEL: Short Term Exposure Limit
IMO: International Maritime Organization	TCC: Tag Closed Cup
lbs./gal: pounds per gallon	TWA: Time Weighted Average
LC: Lethal Concentration	WHMIS: Workplace Hazardous Materials Information System
LD: Lethal Dose	